

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|-------|--|--|------------------|---------|------------------|
| L1    | 1     | (watermark\$4 and contrast and measur\$4 and adjust\$4 and embed\$4 and predetermin\$4 and level\$4).CLM.  | US-PGPU B  | AND              | ON      | 2006/01/11 11:28 |
| L2    | 17479 | ((382/100,232,240) or (713/176,179) or (380/51,54,201,210,252,287) or (370/522,523,524,525,526,527,528,529) or (348/461,463) or (358/3.28) or (704/200.1,273) or (725/9,20,22) or (283/72,74,75,76,77,78,79,80,81,85,93,113,901,902)). CCLS. | US-PGPU B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN T;<br>IBM_TDB | OR               | OFF     | 2006/01/11 11:23 |
| L4    | 2221  | 2 and (watermark\$4 or steganograph\$4 or water-mark\$4 or stegn\$5)   | US-PGPU B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN T;<br>IBM_TDB | OR               | ON      | 2006/01/11 11:31 |
| L5    | 2057  | 4 and (calculat\$4 or comput\$4 or estimat\$4 or measur\$4)  | US-PGPU B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN T;<br>IBM_TDB | OR               | ON      | 2006/01/11 11:32 |

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|-----|------|-------------------------------|--|----|----|---------------------|
| L6  | 1901 | 5 and (embed\$4 or insert\$4) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:25 |
| L7  | 672  | 6 and contrast\$3             | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:33 |
| L8  | 388  | 7 and adjust\$4               | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:26 |
| L9  | 289  | 8 and map\$4                  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:26 |
| L10 | 253  | 9 and filter\$4               | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:27 |

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|-----|-----|---|--|-----|----|---------------------|
| L11 | 234 | 10 and (reduc\$4 or penaliz\$4)   | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR  | ON | 2006/01/11<br>11:28 |
| L12 | 225 | 11 and bit\$3   | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR  | ON | 2006/01/11<br>11:28 |
| L13 | 58  | 12 and artifact\$4  | US-PGPU<br>B   | AND | ON | 2006/01/11<br>11:29 |
| L14 | 23  | 13 and (non-uniform\$4 or non near\$4 uniform\$3)   | US-PGPU<br>B   | AND | ON | 2006/01/11<br>11:29 |
| L16 | 22  | 14 and (edg\$4 or contour or border or boundary\$4)   | US-PGPU<br>B   | AND | ON | 2006/01/11<br>11:31 |
| L17 | 22  | 16 and noise  | US-PGPU<br>B   | AND | ON | 2006/01/11<br>11:31 |
| L18 | 108 | (reduc\$4 near\$4 artifact\$4) and (watermark\$4 or steganograph\$4 or water-mark\$4 or stegn\$5) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR  | ON | 2006/01/11<br>11:32 |
| L19 | 11  | 18 and (predetermin\$4 near\$3 level\$3)  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR  | ON | 2006/01/11<br>11:32 |

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| L20 | 11 | 19 and (calculat\$4 or comput\$4 or estimat\$4 or measur\$4)                          | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:34 |
| L21 | 4  | 20 and contrast\$3  | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:33 |
| L22 | 7  | 18 and (direction\$4 near4<br>edg\$4)   | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:34 |
| L23 | 4  | 22 and ((calculat\$4 or comput\$4 or estimat\$4 or measur\$4) near4<br>(contrast\$4)) | US-PGPU<br>B;<br>USPAT;<br>USOCR;<br>EPO;<br>JPO;<br>DERWEN<br>T;<br>IBM_TDB | OR | ON | 2006/01/11<br>11:35 |

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Citation



Citation &amp; Abstract

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

**1. Comparative Study of Two Projective-Invariant Digital Watermarking Methods Using Cross-Intersection**

Pantuwong, N.; Chotikakamthorn, N.;

Computer and Information Technology, 2005. CIT 2005. The Fifth International Conference on 21-23 Sept. 2005 Page(s):543 - 547

Digital Object Identifier 10.1109/CIT.2005.88

AbstractPlus | Full Text: PDF(368 KB) IEEE CNF

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Display Format:

☒ Citation☐ Citation & Abstract

IEEE JNL IEEE Journal or Magazine

IEEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

IEEE CNF IEE Conference Proceeding

IEEE STD IEEE Standard

Select Article Information:

**1. Digital watermarking using local contrast-based texture masking**

Masry, M.; Chandler, D.; Hemami, S.S.;  
 Signals, Systems and Computers, 2003. Conference Record of the Thirty-Seventh Asilomar Confer  
 Volume 2, 9-12 Nov. 2003 Page(s):1590 - 1594 Vol.2  
 Digital Object Identifier 10.1109/ACSSC.2003.1292253

[AbstractPlus](#) | Full Text: [PDF](#)(576 KB) IEEE CNF**2. Video quality measurement using digital watermarking**

Wang, S.; Zheng, D.; Zhao, J.; Tarn, W.J.; Speranza, F.;  
 Haptic, Audio and Visual Environments and Their Applications, 2004. HAVE 2004. Proceedings. Th  
 International Workshop on  
 2-3 Oct. 2004 Page(s):183 - 188

[AbstractPlus](#) | Full Text: [PDF](#)(661 KB) IEEE CNF**3. A vision-based masking model for spread-spectrum image watermarking**

Kutter, M.; Winkler, S.;  
 Image Processing, IEEE Transactions on  
 Volume 11, Issue 1, Jan. 2002 Page(s):16 - 25  
 Digital Object Identifier 10.1109/83.977879

[AbstractPlus](#) | [References](#) | Full Text: [PDF](#)(233 KB) IEEE JNL**4. Foveated image watermarking**

Koz, A.; Aydin Alatan, A.;  
 Image Processing. 2002. Proceedings. 2002 International Conference on  
 Volume 3, 24-28 June 2002 Page(s):657 - 660 vol.3  
 Digital Object Identifier 10.1109/ICIP.2002.1039056

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Day : Wednesday

Date: 1/11/2006

Time: 11:39:56

 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = HANNIGAN

First Name = BRETT T.

| Application# | Patent# | Status | Date Filed | Title  | Inventor Name         |
|--------------|---------|--------|------------|--|-----------------------|
| 09444770     | 6366680 | 150    | 11/22/1999 | ADJUSTING AN<br>ELECTRONIC CAMERA TO<br>ACQUIRE A<br>WATERMARKED IMAGE | HANNIGAN, BRETT<br>T. |

**Inventor Search Completed: No Records to Display.**

|                                 |                                       |                                       |                                       |
|---------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
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| <b>Search Another: Inventor</b> | <input type="text" value="Hannigan"/> | <input type="text" value="Brett T."/> | <input type="button" value="Search"/> |

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Day : Wednesday

Date: 1/11/2006

Time: 11:40:55

PALM INTRANET**Inventor Name Search Result**

Your Search was:

Last Name = REED

First Name = ALASTAIR M.

| Application#             | Patent#                 | Status | Date Filed | Title  | Inventor Name     |
|--------------------------|-------------------------|--------|------------|--|-------------------|
| <a href="#">07531897</a> | Not Issued              | 166    | 06/01/1990 | REAL TIME TRANSFORMATION BETWEEN COLOUR SPACES   | REED, ALASTAIR M. |
| <a href="#">07841681</a> | <a href="#">5327257</a> | 150    | 02/26/1992 | METHOD AND APPARATUS FOR ADAPTIVELY INTERPOLATING A DIGITAL IMAGE                          | REED, ALASTAIR M. |
| <a href="#">08235218</a> | Not Issued              | 161    | 04/29/1994 | REAL TIME TRANSFORMATION BETWEEN COLOUR SPACES   | REED, ALASTAIR M. |
| <a href="#">08251689</a> | <a href="#">5564006</a> | 150    | 05/31/1994 | REAL TIME TRANSFORMATION BETWEEN COLOR SPACES  | REED, ALASTAIR M. |
| <a href="#">08749669</a> | <a href="#">5995653</a> | 150    | 11/15/1996 | DIGITAL IMAGE PROCESSING SYSTEM AND METHOD   | REED, ALASTAIR M. |
| <a href="#">09264009</a> | <a href="#">6117625</a> | 150    | 03/08/1999 | METHOD AND APPARATUS FOR CREATING A COMPOSITE IMAGE BY THE TILING OF MULTIPLE IMAGE FRAMES | REED, ALASTAIR M. |

**Inventor Search Completed: No Records to Display.**

|                                 |                                   |  |                                       |
|---------------------------------|-----------------------------------|--|---------------------------------------|
|                                 | <b>Last Name</b>                  | <b>First Name</b>                        |                                       |
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Day : Wednesday

Date: 1/11/2006  
Time: 11:42:10**Inventor Name Search Result**

Your Search was:

Last Name = BRADLEY

First Name = BRETT A.

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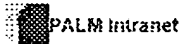
**Inventor Search Completed: No Records to Display.**

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|                                 | Last Name                            | First Name                            |                                       |
|---------------------------------|--------------------------------------|---------------------------------------|---------------------------------------|
| <b>Search Another: Inventor</b> | <input type="text" value="Bradley"/> | <input type="text" value="Brett A."/> | <input type="button" value="Search"/> |

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UPDATE

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| L1    | 1    | (watermark\$4 and contrast and measur\$4 and adjust\$4 and embed\$4 and predetermin\$4 and level\$4).CLM. | US-PGPU B | AND              | ON      | 2006/01/11 11:19 |